

## Study Plan for a Bachelor Degree in Pharmacy 2019/2020

(160) Credit Hours

**First: Compulsory University Requirements: (12 Credit Hours)**

Course No.	Cr. Hr.	Course Title	Prerequisite
01101101	3	Military Sciences	Jordanian only
01101111	3	Arabic Language	**01100011
01101112	3	English Language	**01100012
01101102	3	National Education	Jordanian only

**Second: Elective: 12 Credit Hours from the following courses**

Course No.	Cr. Hr.	Course Title	Prerequisite
01101103	3	Traffic Education	
01101104	3	Innovation and Entrepreneurship	
01101121	3	Life Skills	
01101131	3	Islamic Education	
01101132	3	Jerusalem and the Hashemite Custodianship	
01101141	3	Sport and Health	
01101142	3	Environment and Society	
01101151	3	Computer Skills	
01101152	3	Internet and Communication	
01101161	3	Economic Systems and Concepts	
01101171	3	Psychology and Society	
01101213	3	Communication Skills in Arabic	01101111
01101214	3	Communication Skills in English	01101112
01101243	3	Safety and First Aid	
01101281	3	Scientific Research Methods	
01101282	3	Introduction to Astronomy	
03011101	3	Law in our Life	
03021201	3	Human Rights	

**Third: Faculty Requirements: (27 Credit Hours)**

Course No.	Cr. Hr.	Course Title	Prerequisite
11031101	3	Calculus (1)	-
11021105	3	General Physics for Pharmacy	-
11011105	3	General Chemistry for Pharmacy	-
11011106	1	General Chemistry Lab for Pharmacy	11011105
11011281	3	General Biology	-
11011282	1	General Biology lab	-
05011210	3	Pharmaceutical Organic Chemistry (1)	11011106
05011211	3	Pharmaceutical Organic Chemistry (2)	05011210
05012112	1	Pharmaceutical Organic Chemistry Lab.	05011211
05011201	2	Anatomy & Histology	11011282
05011202	1	Anatomy & Histology Lab.	05011201
05011203	3	Physiology	05011202

**Fourth: Program Compulsory Requirements (106 Credit Hours)**

**- Program Compulsory Requirements: (97 Credit Hours)**

Course No.	Cr. hr.	Course Title	Prerequisite
05011213	3	Pharmaceutical Analytical Chemistry	11011106
05012201	3	Pathophysiology	05011203
05012114	3	Pharmaceutical Instrumental Analysis	05011213
05012115	1	Pharmaceutical Analytical Chemistry & Instrumental Analysis Lab	05012114 C
05022111	3	Physical Pharmacy	11021105
05022112	1	Physical Pharmacy Lab.	05022111 C
05022211	3	Pharmaceutical Biochemistry	05012115
05022212	1	Pharmaceutical Biochemistry Lab.	05022211 C
05012101	3	General Microbiology	05012201
05022221	3	Pharmacognosy	05012115
05022213	3	Phytochemistry	05022221
05022214	1	Phytochemistry Lab.	05022213
05022215	3	Pharmaceutics	05022112
05022216	1	Pharmaceutics Lab.	05022215
05023151	3	Industrial Pharmacy	05022216
05023152	1	Industrial Pharmacy Lab.	05023151 C
05023111	3	Medicinal Chemistry 1	05022212 C
05023211	3	Medicinal Chemistry 2	05023111
05023121	3	Pharmacology 1	05012201 05022212
05023212	1	Medicinal Chemistry Lab.	05023211 C
05013211	3	Pharmaceutical Microbiology	05012101 05023212
05013212	1	Pharmaceutical Microbiology Lab.	05013211 C
05024111	2	Immunology & Vaccines	05013212
05023221	3	Pharmacology 2	05023121
05024121	3	Clinical Biochemistry	05022212 05023221
05024122	1	Clinical Biochemistry Lab.	05024121 C
05024113	3	Medicinal Chemistry 3	05023212
05024124	3	Pharmacology 3	05023221
05023101	2	Biostatistics	11031101
05024211	3	Biopharmaceutics & Pharmacokinetics	05023152 05023121
05024212	1	Biopharmaceutics & Pharmacokinetics Lab.	05024211 C
05023122	3	Over the counter medications	05024124
05024251	3	Drug Design	05024123
05024221	2	Toxicology	05024124
05024222	1	Pharmacology & Toxicology Lab.	05024221 C
05025151	3	Pharmaceutical Biotechnology	05013212 05024122

**- Program Compulsory Requirements: (97 Credit Hours)**

Course No.	Cr. Hr.	Course Title	Prerequisite
05025121	3	Clinical Pharmacy & Therapeutic 1	05024124
05025221	3	Clinical Pharmacy & Therapeutic 2	05025121
05025132	1	Case studies in therapeutics	05025221 C
05025231	1	Pharmacy Legislation & Ethics	05023221
05025242	1	Pharmacy Practice Lab.	05024124
05023251	2	Cosmetics	05023152
05025233	3	Pharmacoeconomics	05024124

**- Program Elective Requirements: (9 Credit Hours)**

Course No.	Cr. Hr.	Course Title	Prerequisite
05023161	3	Pharmaceutical principles & medicinal terminology	-
05023261	3	Drug Information	05024124
05025261	1	special topics in pharmacy 1	Graduation semester
05023263	3	Pharmacoinformatics	05024124
05025262	2	special topics in pharmacy 2	Graduation semester
05023264	3	Pharmaceutical Quality Assurance and Quality Control	05023152
05024161	3	Communication Skills in Pharmacy	05025121
05025263	3	Research Project & Seminar	Graduation semester
05023262	3	Pharmaceutical Dosage Forms	05023152
05023265	3	Therapeutic Drug Monitoring	05024124
05024162	3	Advanced Pharmacology	05024124
05024163	3	Pharmacovigilance	05025221
05024261	1	Medical Parasites	05013212
05023162	3	Public Health	05012201
05023163	3	Applied pharmacognocny	05022214
05024262	2	Pharmaceutical Health Care	05025221
05024263	3	Hospital Pharmacy	05024124 05025121
05025161	3	Pharmaceutical Marketing	05025233

**Free Electives: (3 Credit Hours)**

Student chooses one subject of three credit hours from subjects offered by the University

**Guidance:**

Non Jordanian student are allowed substitutes for Military Sciences and National education if they choose to do so.

**Practical Pharmacy training:** This training should be accredited by the ministry of health and from the Jordanian Pharmaceutical Association for duration of (1440) hours, this training starts when the student has passed (70) credit hours.

